

Title (en)

Turbine exhaust plume mitigation system

Title (de)

Turbinen-Abgasrauchverringersystem

Title (fr)

Système d'atténuation du panache d'échappement d'une turbine

Publication

EP 2716879 A1 20140409 (EN)

Application

EP 13186850 A 20131001

Priority

US 201213633559 A 20121002

Abstract (en)

Various embodiments include an exhaust plume mitigation system for a turbine and systems incorporating the exhaust plume mitigation system. In some embodiments, the exhaust plume mitigation system includes: a first conduit (41) fluidly connecting a compressor (4) to an exhaust chamber (28) of the turbine; a first control valve (60) operably connected with the first conduit for regulating flow of compressor air through the first conduit; and a fluid inductor (42) including: a first inlet (44) fluidly connected with the first conduit; a second inlet (46) fluidly connected with ambient; and an outlet fluidly connected with the exhaust chamber.

IPC 8 full level

F01D 25/30 (2006.01); **F02C 6/08** (2006.01); **F02K 1/38** (2006.01); **F02K 1/82** (2006.01)

CPC (source: EP US)

F01D 25/30 (2013.01 - EP US); **F01D 25/305** (2013.01 - EP US); **F02C 6/08** (2013.01 - EP US); **F02K 1/38** (2013.01 - EP US); **F02K 1/822** (2013.01 - EP US); **F05D 2270/0831** (2013.01 - EP US); **Y02T 50/60** (2013.01 - EP US)

Citation (search report)

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- [X] EP 2224114 A2 20100901 - GEN ELECTRIC [US]
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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2716879 A1 20140409; CN 203867669 U 20141008; JP 2014074405 A 20140424; JP 6310667 B2 20180411; US 2014090354 A1 20140403; US 9003762 B2 20150414

DOCDB simple family (application)

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